

Dry Moly Fluid

Resin bonded dry film coating of molybdenum disulphide

Product Overview

ROCOL® Dry Moly Fluid provides a very high content molybdenum disulphide film. It is designed to lubricate sliding mechanisms such as plain bearings, pins, cams and slides where a wet lubricant cannot be tolerated.

ROCOL Dry Moly Fluid is also available in paste form – see Dry Moly Paste, and aerosol form – see Dry Moly Spray.

Typical Applications

- ROCOL Dry Moly Fluid is ideal for use as an assembly lubricant for sliding mechanisms, plain bearings and other applications where a totally dry film lubricant is required.
- ROCOL Dry Moly Spray can also be used as a dry film chain lubricant where wet films cannot be tolerated.

Features and Benefits

- Temperature range (applied film) -50°C to +450°C.
- Dry film lubrication – resists pick-up of contaminants.
- Prevents galling, pick up and seizure.
- Resistant to high loads (up to 7,000 kg/cm²).
- Excellent wear resistance (high molybdenum disulphide content).

Directions for Storage and Use

- Dip, spray or brush application.
- Ensure surfaces to be treated are clean, dry and free from oil, grease or dirt contamination.
- Highly flammable product - use only in well ventilated areas, and ensure there are no sources of ignition.
- Keep Dry Moly Fluid well agitated and apply to component whilst still warm.
- Dry in oven at 80°C – 100°C for 30 mins and allow to cool, or cure for 3 hours at ambient (20°C).
- The cured film can be improved by lightly burnishing with a lint free cloth.
- Examine for untreated areas and reapply if necessary.
- For surfaces requiring a high degree of corrosion resistance it is advisable to apply to an anodized or phosphate surface.
- Also available as Dry Moly Paste for application as paste, and Dry Moly Spray for application by aerosol.
- The storage temperature should be kept below +50°C, and the storage area should be out of direct sunlight.
- Shelf life is 2 years from date of manufacture.

Pack Sizes

Pack Size	Part Code
5L	10205

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Property	Test Method	Result
Appearance	Visual	Thin blue-black applied film
Solids	N/A	Molybdenum disulphide
Binder	N/A	Organic resin
Solvent	N/A	Acetone/alcohol blend
Drying Times:		
Touch Dry	N/A	2-3 minutes
Full Cure at 20°C	N/A	Approximately 3 hours
Full Cure at 80°C – 100°C	N/A	30 mins in oven, then allow to cool
Temperature Range (applied film)	N/A	-50°C to +450°C
Approximate Coverage	N/A	8m ² /l
Resistance of Resin Bonding Agent in Applied Film	N/A	Soluble in hot oil and some common solvents

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.ocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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